considered to be of particular relevance  "E" addition document but published on or after the international filing date  "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means  "P" document published prior to the international filing date but later than the priority date claimed  Date of the actual completion of the international search  O8 April, 2003 (08.04.03)  Name and mailing address of the ISA/  Japanese Patent Office  understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered novel or cannot be considered	A. CLASSIFICATION OF SUBJECT MATTER Int.Cl <sup>7</sup> H04N5/335			
Minimum documentation searched (classification system followed by classification symbols)  Int.C1 H04N5/335  Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1922-1996 Toroku Jitsuyo Shinan Koho 1994-2003 Kokai Jitsuyo Shinan Koho 1971-2003 Jitsuyo Shinan Toroku Koho 1996-2003  Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  C. DOCUMENTS CONSIDERED TO BE RELEVANT  Category* Gitation of document, with indication, where appropriate, of the relevant passages Relevant to claim No.  X JF 2000-23040 A (Toshiba Corp.),  Full text; Figs. 1 to 23  (Family: none)  **Special categories of cited documents:  **C** Cocument defining the general state of the art which is not considered to be of particular relevance.  **Testiler document but published on or after the international filing data or priority data and not in conflict with the application but cited to establish the publication date of another citation or other special reason is specified.  **Testiler document but published on or after the international filing data or priority data color to the internation at filing data or priority data color to the course of the state alone document of particular relevance; the claimed or considered to live to the internation at filing data or priority data colimon to the course of the state alone document of particular relevance; the claimed or considered to live to an inventive step when the document is the state alone document of particular relevance, the claimed or considered to live to an inventive step when the document is the international filing date but later the international search or the course of the same patent family in the art of the course of the same patent family in the art of the same patent fam	According to International Patent Classification (IPC) or to both n	national classification and IPC	•	
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Sitistical properties of the relevant passages   Selevant to claim No.   1994-2003	Minimum documentation searched (classification system followed by classification symbols)			
C. DOCUMENTS CONSIDERED TO BE RELEVANT  Category*  Citation of document, with indication, where appropriate, of the relevant passages  Relevant to claim No.  X	Jitsuyo Shinan Koho 1922-1996 Toroku Jitsuyo Shinan Koho 1994-2003 Kokai Jitsuyo Shinan Koho 1971-2003 Jitsuyo Shinan Toroku Koho 1996-2003			
Category*  Citation of document, with indication, where appropriate, of the relevant passages  Relevant to claim No.  1-8, 11-21, 21 January, 2000 (21.01.00), Full text; Figs. 1 to 23  (Family: none)  Special categories of cited documents: "Cocument defining the general state of the art which is not considered to be of particular relevance." "E" earlier document but published on or after the international filing date document which may throw doubts on priority claim(s) or which is cited to establish the publication of the priority date cannot be considered to not considered to be of particular relevance, the claimed invention earnot be considered to relevance and the priority date claimed of comment which may throw doubts on priority claim(s) or which is cited to establish the publication of the cited to establish the publication of the priority date claimed of comment which may throw doubts on priority claim(s) or which is cited to establish the publication of the international filing date but later than the priority date claimed  """ """ """ """ """ """ """ """ """	Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)			
Special categories of cited documents are listed in the continuation of Box C.   See patent family annex.   Special categories of cited documents: "Comment defining the general state of the art which is not considered to be of particular relevance earlier document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another cited to establish the publication fate of another cited to establish the publication of the international search (22 April, 2003 (22.04.03)	C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Special categories of cited documents are listed in the continuation of Box C.   See patent family annex.   Special categories of cited documents: "Comment defining the general state of the art which is not considered to be of particular relevance earlier document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another cited to establish the publication fate of another cited to establish the publication of the international search (22 April, 2003 (22.04.03)	Category* Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.	
** Special categories of cited documents:  **A" document defining the general state of the art which is not considered to be of particular relevance  **E" earlier document but published on or after the international filing date  **C" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  **O" document referring to an oral disclosure, use, exhibition or other means  **P" document published prior to the international filing date but later than the priority date claimed  **Date of the actual completion of the international search 08 April, 2003 (08.04.03)  **Nome and mailing address of the ISA/  Japanese Patent Office  **T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document of particular relevance; the claimed inve	X JP 2000-23040 A (Toshiba Cor 21 January, 2000 (21.01.00), Full text; Figs. 1 to 23 (Family: none)	rp.),		
"A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed  Date of the actual completion of the international search  O8 April, 2003 (08.04.03)  Name and mailing address of the ISA/  Japanese Patent Office  priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered novel or cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive and invention cannot be considered to involve an inventive and invention cannot be considered to involve an inventive and invention cannot be considered to involve an inventive and invention cannot be considered novel or cannot be considered novel o				
Japanese Patent Office	"A" document defining the general state of the art which is not considered to be of particular relevance earlier document but published on or after the international filing date document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed  Date of the actual completion of the international search 08 April, 2003 (08.04.03)	priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family  Date of mailing of the international search report		
	Name and mailing address of the ISA/ Japanese Patent Office	Authorized officer Telephone No.		



Box I Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. X Claims Nos.: 9, 10, 22, 23
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
The "experientially defined calculating method" of claims 9, 22 cannot be technically specified. The "sensor output value" of claims 10, 23 is unclear
because the sensor that outputs the sensor output value is not specified.
3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
The state of the s
Box II Observations where unity of invention is lacking (Continuation of item 3 of first sheet)  This International Searching Authority found multiple inventions in this international application, as follows:
This international Searching Additiony found multiple inventions in and international approximation — remaining
1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable
claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment
of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers
only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is
restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
·
Remark on Protest  The additional search fees were accompanied by the applicant's protest.
No protest accompanied the payment of additional search fees.